

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 2-2005)

ATTORNEY'S DOCKET NUMBER

14321.78

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/540734

INTERNATIONAL APPLICATION NO.  
PCT/JP2003/016725INTERNATIONAL FILING DATE  
25 December 2003PRIORITY DATE CLAIMED  
26 December 2003

## TITLE OF INVENTION

WAVE TRANSMISSION MEDIUM AND WAVEGUIDE CIRCUIT

## APPLICANT(S) FOR DO/EO/US

Toshikazu Hashimoto, Takeshi Kitagawa, Masahiro Yanagisawa, Masaki Koutoku, Shuichiro Asakawa, Tsutomu Kitoh, Ikuro Ogawa, Senichi Suzuki, Tomohiro Shibata, Hiroshi Takahashi, Yoshiteru Abe, Takaharu Ohyam, Ryou Nagase, Masaru Kobayashi

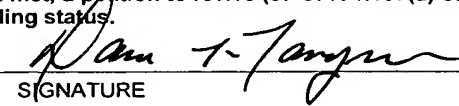
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 23 below concern document(s) or information included:

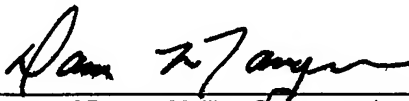
13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. EV 629 667 211 US
23. ☒ Other items or information:
  - postcard
  - Copy of Request for Notification of Change of Person

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
10/540734		PCT/JP2003/016725		14321.78	
The following fees are submitted:				CALCULATIONS	PTO USE
24. <input checked="" type="checkbox"/> Basic national fee		\$300	\$	\$300.00	
25. <input checked="" type="checkbox"/> Examination fee					
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).			\$100	\$	\$200.00
All other situations.			\$200		
26. <input checked="" type="checkbox"/> Search fee					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority			\$100		
International Search Report prepared and provided to the Office			\$400		
All other situations.			\$500	\$	\$400.00
TOTAL OF 24, 25 and 26 =				\$	\$900.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE		
273 - 100 =	173 /50 =	4	x \$250.00	\$	\$1,000.00
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	62 - 20 =	42	x \$50.00	\$	\$2,100.00
Independent claims	7 - 3 =	4	x \$200.00	\$	\$800.00
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00				\$	\$0.00
TOTAL OF ABOVE CALCULATIONS =				\$	\$4,800.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	\$0.00
SUBTOTAL =				\$	\$4,800.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	\$0.00
TOTAL NATIONAL FEE =				\$	\$4,800.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				\$	\$0.00
TOTAL FEES ENCLOSED =				\$	\$4,800.00
				Amount to be	\$
				Amount to be	\$
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>23-3178</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
Dana L. Tangren Workman Nydegger					
022913					
PATENT TRADEMARK OFFICE CUSTOMER NO.					
 SIGNATURE Dana L. Tangren NAME 37,246 REGISTRATION NUMBER					

10/540734

JC09 Rec'd PCT/PTO 24 JUN 2005

<b>CERTIFICATE OF MAILING BY EXPRESS MAIL" (37 CFR 1.10)</b>				Domestic No. 14321.78	
Applicant(s): Toshikazu Hashimoto et al.					
Serial No.	Filing Date	Confirmation No.	Customer No. 022913	Examiner	Group Art Unit
Invention: WAVE TRANSMISSION MEDIUM AND WAVEGUIDE CIRCUIT					
<p>I hereby certify that the following are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Mail Stop: PCT, Commissioner for Patents, PO Box 1450, Arlington, Virginia 22313-1450.</p> <p>DATED this 24<sup>th</sup> day of June 2005.</p> <ul style="list-style-type: none"><li>• Transmittal Letter concerning filing under 35 USC § 371 (2 page) (in duplicate)</li><li>• First page of International Application No. PCT/JP2003/016725</li><li>• English translation of PCT/JP2003/016725 (203 pages)</li><li>• English translation of drawings (70 pages)</li><li>• Copy of International Search Report (1 page)</li><li>• Copy of International Preliminary Examination Report (3 pages)</li><li>• Preliminary Amendment (21 pages)</li><li>• Copy of Request for Notification of Change of Person (5 pages)</li><li>• Form PTO-2038 submitting Credit Card Payment in the amount of \$4,800</li><li>• Postcard</li></ul> <p>DANA L. TANGREN</p> <p>(Typed or Printed Name of Person Mailing Correspondence)</p> <p></p> <p>(Signature of Person Mailing Correspondence)</p> <p>EV 629 667 211 US</p> <p>("Express Mail" Mailing Label Number)</p>					

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